

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of manufacturing a flow connector, comprising: providing at least one insert of a composition comprising at least one polymer and a reinforcement material selected from the group consisting of fiberglass, an inert material, and combinations thereof, the insert having a threaded bore for attachment to a threaded flow conduit, and

molding onto the at least one insert a composition comprising at least one polymer to form a manifold having a wall thickness defining an internal cavity and comprising a plurality of flow openings comprising at least one aperture defined by the at least one ~~insert through the wall thickness~~ insert, the at least one insert being situated within the wall.

2. (Previously Presented) The method of manufacturing a flow connector according to claim 1 wherein the at least one polymer of the at least one insert is the same as the at least one polymer of the manifold.

3. (Previously Presented) The method of manufacturing a flow connector according to claim 1 wherein the at least one polymer of the at least one insert and the at least one polymer of the manifold are similar polymers that permit remelting and subsequent bonding at the interface between the at least one insert and the manifold.

Claim 4 (Cancelled).

5. (Previously Presented) The method of manufacturing a flow connector according to claim 1 wherein the reinforcement material is oriented circumferentially around the threaded bore of the insert.

6. (Previously Presented) The method of manufacturing a flow connector according to claim 1 wherein the manifold defines a manifold body for a fluid handling pump.

7. (Previously Presented) The method of manufacturing a flow connector according to claim 6 wherein the at least one aperture is one of an inlet opening and an outlet opening located in the manifold body.

8. (Original) The method of manufacturing a flow connector according to claim 1 wherein the molding is performed by injection molding.

9. (Previously Presented) The method of manufacturing a flow connector according to claim 8 wherein the injection molding is performed by providing the at least one insert on at least one corresponding core pin inside a mold in which the manifold is molded.

10. (Original) The method of manufacturing a flow connector according to claim 1 wherein the at least one insert comprises circumferential grooves located on an exterior surface disposed around the threaded bore.

11. (Original) The method of manufacturing a flow connector according to claim 1 wherein the at least one insert comprises spurs located on an exterior surface disposed around the threaded bore.

12. (Original) The product-produced-by-the-method according to claim 1.

13. (Original) The product-produced-by-the-method according to claim 6.

14. (Original) The product-produced-by-the-method according to claim 10.

15. (Original) The product-produced-by-the-method according to claim 11.

16. (Currently Amended) An insert for manufacturing a manifold having a wall thickness defining an internal cavity and a plurality of flow openings, comprising:
a threaded bore for attachment to a threaded flow conduit, the insert being of a composition comprising at least one polymer and a reinforcement material selected from the group consisting of fiberglass, an inert material, and combinations thereof,
the threaded bore defining ~~an aperture through the wall thickness of the manifold upon incorporating the insert therein~~ one of the plurality of flow openings of the manifold.

17. (Original) The insert according to claim 16 further comprising circumferential grooves located on an exterior surface disposed around the threaded bore.

18. (Original) The insert according to claim 16 further comprising spurs located on an exterior surface disposed around the threaded bore.

Claim 19 (Cancelled).

20. (Previously Presented) The insert according to claim 16 wherein the reinforcement material is oriented circumferentially around the threaded bore of the insert.

21. (Previously Presented) The insert according to claim 16 wherein the aperture is one of an inlet opening and an outlet opening.